520.43306X00

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Osamu Suzuki, et al

Serial No.:

Not Yet Assigned

Filed:

On Even Date

For:

SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE AND SEMICONDUCTOR INTEGRATED CIRCUIT CHIP THEREOF

## INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97 & 1.98

Mail Stop DD Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 November 28, 2003

Sir:

In the matter of the above-identified application, applicants are submitting herewith a copy of the document listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted with the new application.

To the extent the document listed on the attached form equivalent to Form PTO-1449 is not in the English language, the requirement of 37 CFR 1.98(a)(3) for a concise explanation of the relevance is satisfied by an English language abstracts and the discussion of these documents in the specification, for example, on pages 2 and 3.

It is respectfully requested that this Information Disclosure Statement be

considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus Deposit Account No. 01-2135 (Case: 520.43306X00), and please credit any excess fees to such deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS LLP

Melvin Kraus

Registration No. 22,466

MK/GEM/nac (703) 312-6600 Attachments

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute	for form 1449A/PTO			Complete if Known			
-				Application Number			
	NFORMATION DIS	CLOS	URE	Filing Date	November 28, 2003		
9	STATEMENT BY A	PPLIC.	ANT	First Named Inventor	SUZUKI, OSAMU		
				Art Unit			
(iica ac manu chaate ac naraccani)				Examiner Name			
Sheet	11	of	2	Attorney Docket Number	520.43306X00		
Sheet	1	of	2	Attorney Docket Number	520.43306X00		

			U.S. PATENT	DOCUMENTS	
Examiner Initials'	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			**
		US-			
		US-			•
		US-			
		us-	1		

FOREIGN PATENT DOCUMENTS								
Examiner Initials'	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T€		
		JP-7286788	31-10-1995					
1		JP-2002-130964	09-5-2002					

Examiner	Date	
Signature	Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known		
				Application Number		
INFORMATION DISCLOSURE				Filing Date	November 28, 2003	
STATEMENT BY APPLICANT  (use as many sheets as necessary)				First Named Inventor	SUZUKI, OSAMU	
			•	Art Unit		
				Examiner Name		
Sheet	2	of	2	Attorney Docket Number	520.43306X00	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		M. OZAWA, et al. Enhancement of Heat Transfer by Sinusoidal Oscillation of Fluid (Transient Behavior of a Dream Pipe) . pp. 228-235. Vol. 56, No. 530 (1990-10).	
		Z.J. ZUO, et al . An Integrated Thermal Architecture for Thermal Management of High Power Electronics, pp. 317-336, (Processing of International Conference Thermes 2002), Fanta Fe, New Mexico, USA, 13-16 January 2002.	
Examiner	<u> </u>	Date	
Signature	1	Considered	

Examiner	Date	
Signature	Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO**: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.